

DERWENT-ACC-NO: 1998-079611

DERWENT-WEEK: 199808

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TITLE: New aryl-glyoxal acetal(s) and  
hemi-acetal(s) - e.g.

2-hydroxy-5-(2-(di:alkoxy)-ethanoyl)-benzoic acid  
derivatives

PATENT-ASSIGNEE: SCHERING-PLOUGH CORP [SCHE]

PRIORITY-DATA: 1995IL-0115678 (October 19, 1995)

PATENT-FAMILY:

PUB-NO	PAGES	MAIN-IPC	PUB-DATE	LANGUAGE
IL 115678 A	000		January 4, 1998	N/A
		C07C 065/32		

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-DESCRIPTOR	APPL-NO
IL 115678A	October 19, 1995	N/A	1995IL-0115678

INT-CL (IPC): C07C065/32, C07C069/84, C07C235/84,  
C07D317/26,  
C07D319/06

ABSTRACTED-PUB-NO: IL 115678A

BASIC-ABSTRACT:

Acetals and hemi-acetals of the formula (I) are new. Z = NH<sub>2</sub>, OH or OR<sub>6</sub>; R<sub>6</sub> = H or 1-10C alkyl; R<sub>7</sub>, R<sub>8</sub> = H, alkyl (optionally substituted), cycloalkyl, cycloalkylalkyl, hydroxyalkyl, aryl (optionally substituted), arylalkyl (optionally substituted), heterocyclyl or heterocyclylalkyl; provided that R<sub>7</sub> and R<sub>8</sub> are not both H; or R<sub>7</sub>+R<sub>8</sub> form a five or six membered

ring with the  
oxygen atoms.

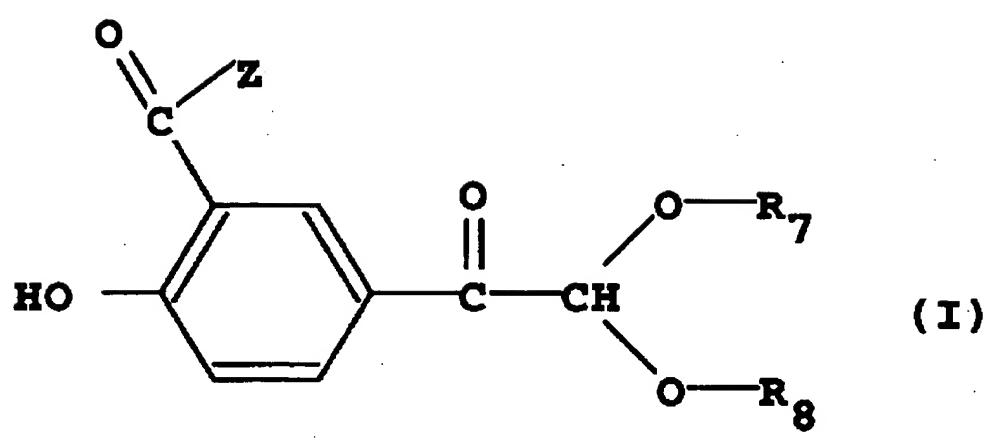
TITLE-TERMS: NEW ARYL GLYOXAL ACETAL HEMI ACETAL HYDROXY DI  
ALKOXY BENZOIC ACID  
DERIVATIVE

DERWENT-CLASS: B03 B05 E13 E14

CPI-CODES: B06-H; B07-H; B10-A23; E07-H; E10-A23A;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-026559



Welcome to STN International! Enter x:x

LOGINID: sssptau126mls

**PASSWORD :**

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX,
			ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 13:15:14 ON 29 MAY 2003

=> FILE REG  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE ENTRY	0.21	TOTAL SESSION	0.21
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FILE 'REGISTRY' ENTERED AT 13:15:25 ON 29 MAY 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 28 MAY 2003 HIGHEST RN 521913-14-4  
DICTIONARY FILE UPDATES: 28 MAY 2003 HIGHEST RN 521913-14-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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Uploading 778353a.str

L1 STRUCTURE uploaded

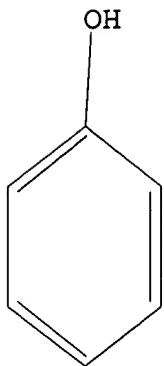
=>  
Uploading 778353.str

L2 STRUCTURE uploaded

=> UERY  
UERY IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (>).

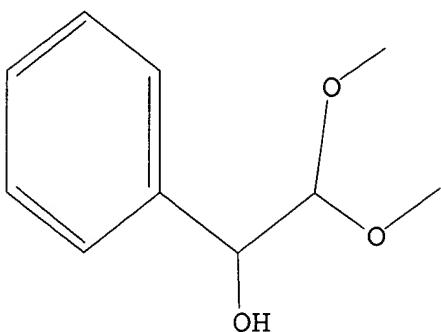
=> QUERY  
ENTER LOGIC EXPRESSION OR (END) :L1 AND L2  
L3 QUE L1 AND L2

=> D L3  
L3 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2                    STR



Structure attributes must be viewed using STN Express query preparation.

L3                    QUE L1 AND L2

=> SEARCH

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END) :L3

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.

ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:.

SAMPLE SEARCH INITIATED 13:16:20 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8768 TO ITERATE

11.4% PROCESSED      1000 ITERATIONS

0

ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*

BATCH        \*\*COMPLETE\*\*

PROJECTED ITERATIONS:      169752 TO 180968

PROJECTED ANSWERS:            0 TO        0

L4

O SEA SSS SAM L1 AND L2

=> S L3 SSS FULL

FULL SEARCH INITIATED 13:16:39 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 174749 TO ITERATE

100.0% PROCESSED 174749 ITERATIONS

10

ANSWERS

SEARCH TIME: 00.00.02

L5 10 SEA SSS FUL L1 AND L2

=> D 1-10 SUB BIB

L5 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2003 ACS

RN 476333-87-6 REGISTRY

CN Benzenemethanol,

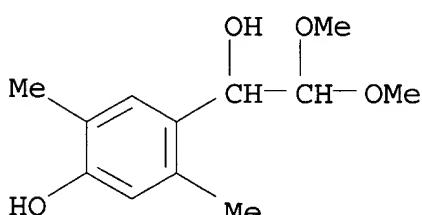
.alpha.- (dimethoxymethyl)-4-hydroxy-2,5-dimethyl- (9CI)  
(CA INDEX NAME)

FS 3D CONCORD

MF C12 H18 O4

SR CA

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 137:384652 CA

TI Preparation of .beta.3-adrenoceptor-stimulating phenoxyacetates  
and their  
intermediates

IN Tanaka, Nobuyuki; Tamai, Tetsuo; Mukaiyama, Harunobu; Ishikawa,  
Takehiro;

Kobayashi, Junichi; Akaba, Satoshi; Harada, Hiroshi

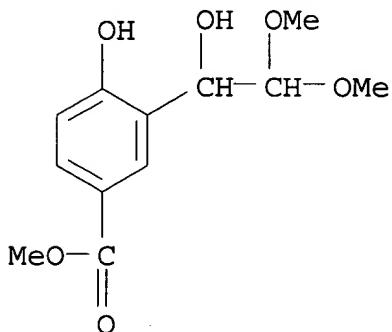
PA Kissei Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002338513	A2	20021127	JP 2002-64840	20020311
PRAI	JP 2001-68023		20010312		

L5 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2003 ACS  
RN 355840-19-6 REGISTRY  
CN Benzoic acid, 4-hydroxy-3-(1-hydroxy-2,2-dimethoxyethyl)-, methyl ester  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C12 H16 O6  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

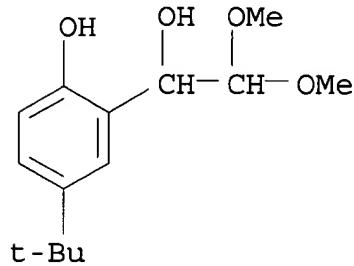
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:181474 CA  
TI Phenolic compounds derived from dialkoxyethanols, their preparation  
process and their application  
IN Wilhelm, Didier; Esmard, Florence  
PA Clariant (France) S.A., Fr.  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1125908	A1	20010822	EP 2001-810115	20010206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,				
MC, PT,				
IE, SI, LT, LV, FI, RO				
FR 2804679	A1	20010810	FR 2000-1483	20000207
FR 2804679	B1	20020426		
CA 2334050	AA	20010807	CA 2001-2334050	20010202
NO 2001000621	A	20010808	NO 2001-621	20010206
JP 2001294547	A2	20011023	JP 2001-29469	20010206
US 2001016664	A1	20010823	US 2001-778353	20010207
CN 1337387	A	20020227	CN 2001-120719	20010207
PRAI FR 2000-1483		20000207		
RE.CNT 4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD			
	ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L5 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2003 ACS  
 RN 355840-18-5 REGISTRY  
 CN Benzenemethanol,  
 .alpha.- (dimethoxymethyl)-5- (1,1-dimethylethyl)-2-hydroxy-  
 (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C14 H22 O4  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1957 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:181474 CA  
 TI Phenolic compounds derived from dialkoxyethanols, their  
 preparation  
 process and their application  
 IN Wilhelm, Didier; Esmard, Florence

PA Clariant (France) S.A., Fr.  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW

DT Patent  
LA English

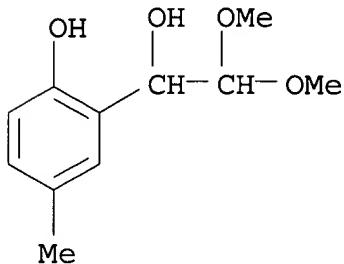
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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MC,	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,				
	IE, SI, LT, LV, FI, RO				
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	FR 2804679	B1	20020426		
	CA 2334050	AA	20010807	CA 2001-2334050	20010202
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	JP 2001294547	A2	20011023	JP 2001-29469	20010206
	US 2001016664	A1	20010823	US 2001-778353	20010207
	CN 1337387	A	20020227	CN 2001-120719	20010207

PRAI FR 2000-1483 20000207

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2003 ACS  
RN 355840-17-4 REGISTRY  
CN Benzenemethanol, .alpha.- (dimethoxymethyl)-2-hydroxy-5-methyl-  
(9CI) (CA  
INDEX NAME)  
FS 3D CONCORD  
MF C11 H16 O4  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:181474 CA

TI Phenolic compounds derived from dialkoxyethanols, their preparation

process and their application

IN Wilhelm, Didier; Esmard, Florence

PA Clariant (France) S.A., Fr.

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1125908	A1	20010822	EP 2001-810115	20010206
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MC, PT,					
	IE, SI, LT, LV, FI, RO				
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	US 2001016664	A1	20010823	US 2001-778353	20010207
	CN 1337387	A	20020227	CN 2001-120719	20010207

PRAI FR 2000-1483 20000207

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2003 ACS

RN 355840-16-3 REGISTRY

CN Benzenemethanol, 5-chloro-.alpha.- (dimethoxymethyl)-2-hydroxy-  
(9CI) (CA

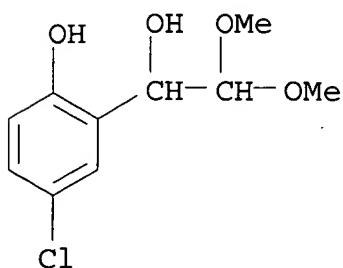
INDEX NAME)

FS 3D CONCORD

MF C10 H13 Cl O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:181474 CA

TI Phenolic compounds derived from dialkoxyethanols, their preparation

process and their application

IN Wilhelm, Didier; Esmard, Florence

PA Clariant (France) S.A., Fr.

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1125908	A1	20010822	EP 2001-810115	20010206
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MC, PT,	IE, SI, LT, LV, FI, RO				
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	FR 2804679	B1	20020426		
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	NO 2001000621	A	20010808	NO 2001-621	20010206
	JP 2001294547	A2	20011023	JP 2001-29469	20010206
	US 2001016664	A1	20010823	US 2001-778353	20010207
	CN 1337387	A	20020227	CN 2001-120719	20010207

PRAI FR 2000-1483 20000207

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2003 ACS

RN 355840-15-2 REGISTRY

CN Benzenemethanol, .alpha.- (dimethoxymethyl)-2-hydroxy- (9CI) (CA INDEX

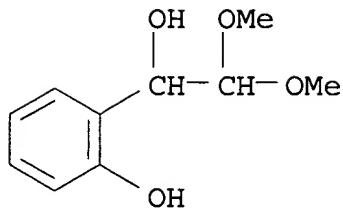
NAME)

FS 3D CONCORD

MF C10 H14 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1957 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:181474 CA

TI Phenolic compounds derived from dialkoxyethanols, their preparation

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CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1125908	A1	20010822	EP 2001-810115	20010206
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MC, PT,					
	IE, SI, LT, LV, FI, RO				
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	JP 2001294547	A2	20011023	JP 2001-29469	20010206
	US 2001016664	A1	20010823	US 2001-778353	20010207
	CN 1337387	A	20020227	CN 2001-120719	20010207
PRAI	FR 2000-1483		20000207		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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L5 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2003 ACS

RN 355840-14-1 REGISTRY

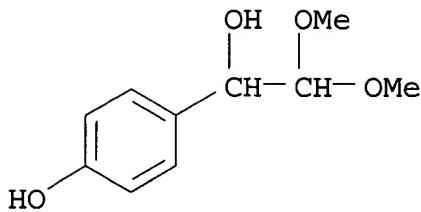
CN Benzenemethanol, .alpha.- (dimethoxymethyl)-4-hydroxy- (9CI) (CA INDEX

NAME)

FS 3D CONCORD

MF C10 H14 O4

SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:181474 CA

TI Phenolic compounds derived from dialkoxyethanols, their preparation

process and their application

IN Wilhelm, Didier; Esmard, Florence

PA Clariant (France) S.A., Fr.

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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MC, PT,					
	IE, SI, LT, LV, FI, RO				
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	JP 2001294547	A2	20011023	JP 2001-29469	20010206
	US 2001016664	A1	20010823	US 2001-778353	20010207
	CN 1337387	A	20020227	CN 2001-120719	20010207
PRAI	FR 2000-1483		20000207		

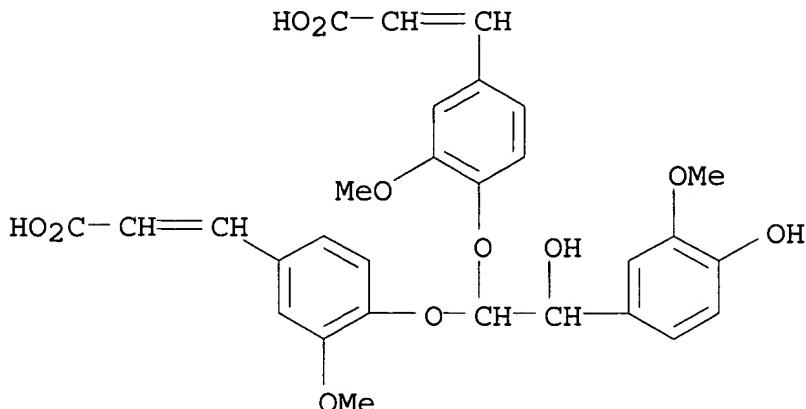
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2003 ACS

RN 353455-92-2 REGISTRY

CN 2-Propenoic acid, 3,3'-(2-hydroxy-2-(4-hydroxy-3-

methoxyphenyl)ethylidene]bis[oxy(3-methoxy-4,1-phenylene)]bis-  
(9CI) (CA  
INDEX NAME)  
MF C29 H28 O11  
SR CA  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

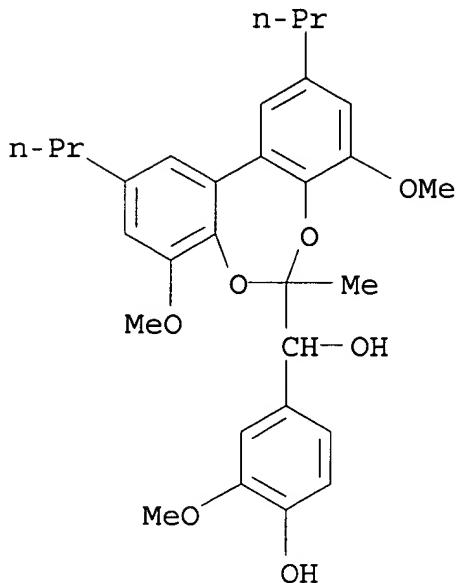
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 135:163980 CA  
TI Initial steps of ferulic acid polymerization by lignin peroxidase  
AU Ward, Gary; Hadar, Yitzhak; Bilkis, Itzhak; Konstantinovsky, Leonid;  
Dosoretz, Carlos G.  
CS Department of Environmental Biotechnology, MIGAL-Galilee  
Technology Center, Kiryat Shmona, 10200, Israel  
SO Journal of Biological Chemistry (2001), 276(22), 18734-18741  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2003 ACS  
RN 239115-24-3 REGISTRY  
CN Dibenzo[d,f][1,3]dioxepin-6-methanol,  
.alpha.- (4-hydroxy-3-methoxyphenyl)-  
4,8-dimethoxy-6-methyl-2,10-dipropyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD  
MF C30 H36 O7  
SR CA  
LC STN Files: CA, CAPLUS



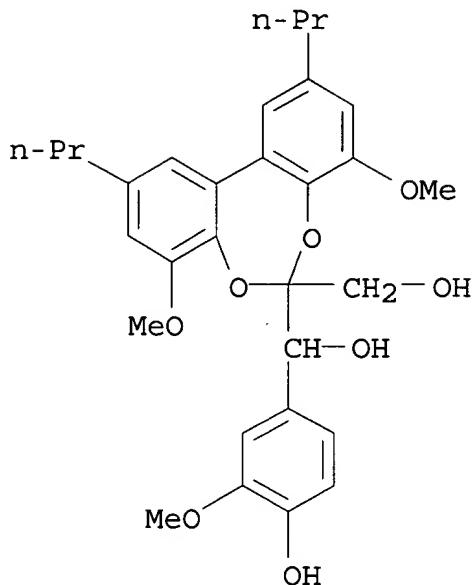
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1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 131:171707 CA  
TI The behavior of dibenzodioxocin structures in lignin during  
alkaline  
pulping processes  
AU Karhunen, Pirkko; Mikkola, Jouni; Pajunen, Aarne; Brunow, Gosta  
CS Department of Chemistry, University of Helsinki, Finland  
SO Nordic Pulp & Paper Research Journal (1999), 14(2), 123-128  
CODEN: NPPJEG; ISSN: 0283-2631  
PB Mentor Communications AB  
DT Journal  
LA English  
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT  
  
L5 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2003 ACS  
RN 215542-00-0 REGISTRY  
CN Dibenzo[d,f][1,3]dioxepin-6,6-dimethanol, .alpha.- (4-hydroxy-3-  
methoxyphenyl)-4,8-dimethoxy-2,10-dipropyl- (9CI) (CA INDEX  
NAME)

FS 3D CONCORD  
MF C30 H36 O8  
SR CA  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1957 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

AN 131:171707 CA  
TI The behavior of dibenzodioxocin structures in lignin during  
alkaline  
pulping processes  
AU Karhunen, Pirkko; Mikkola, Jouni; Pajunen, Aarne; Brunow, Gosta  
CS Department of Chemistry, University of Helsinki, Finland  
SO Nordic Pulp & Paper Research Journal (1999), 14(2), 123-128  
CODEN: NPPJEG; ISSN: 0283-2631  
PB Mentor Communications AB  
DT Journal  
LA English  
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 129:344592 CA  
TI Novel redox reactions of dibenzodioxocin structures in lignin  
during